

Customer No.: 31561
Application No.: 10/604,131
Docket No.: 10461-US-PA

AMENDMENTS

To the Claims:

Claim 1 (currently amended) A hand-held apparatus with a touch control device, comprising:

a display, comprising a backlight;

a metal slice, located on the surface of the hand-held apparatus, wherein when a user touches the metal slice, ~~the metal slice generates an AC signal~~ is then generated; and

a control circuit, coupled to the metal slice, used to convert the AC signal into a DC pulse signal so as to control the hand-held apparatus based on the DC pulse signal,

wherein when the metal slice is touched by a user, the display is turned on and the on state is maintained until the metal slice is touched again.

Claim 2 (original) The hand-held apparatus with the touch control device of claim 1, wherein when the user touches the metal slice, the display is turned on.

Claim 3 (original) The hand-held apparatus with the touch control device of claim 2, wherein when the user touches the metal slice again, the display is turned off.

Claim 4 (original) The hand-held apparatus with the touch control device of claim 1, wherein when the user touches the metal slice, the backlight is turned on.

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Claim 5 (original) The hand-held apparatus with the touch control device of claim 4, wherein when the user touches the metal slice again, the backlight is turned off.

Claim 6 (original) The hand-held apparatus with the touch control device of claim 1, wherein when the user touches the metal slice, the hand-held apparatus unlocks a keyboard.

Claim 7 (original) The hand-held apparatus with the touch control device of claim 6, wherein when the user touches the metal slice again, the hand-held apparatus locks the keyboard.

Claim 8 (original) The hand-held apparatus with the touch control device of claim 1, wherein the control circuit comprises:

an amplifier, coupled to the metal slice, used to amplify the AC signal and output an amplified AC signal;

a rectifier, coupled to the amplifier, used to rectify the amplified AC signal and output a rectified signal;

a filter, coupled to the rectifier, used to filter the rectified signal and output a DC pulse signal; and

a microprocessor, coupled to the filter, used to control the hand-held apparatus based on the DC pulse signal.

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Claim 9 (original) The hand-held apparatus with the touch control device of claim 1,
wherein the hand-held apparatus is a mobile phone.

Claim 10 (original) The hand-held apparatus with the touch control device of claim 1,
wherein the hand-held apparatus is a PDA (Personal Digital Assistant).

Claim 11 (original) The hand-held apparatus with the touch control device of claim 1,
wherein the hand-held apparatus is a hand-held computer.

Claim 12-22 (canceled)